

SCHOOL FACILITIES BOARD
SFB BR 900-08

BUILDING RENEWAL GRANT
PROJECT APPLICATION FORM

Building Renewal Grant Application

Application Date: 6/28/2012

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name:	Tempe Union High School District
Superintendent:	Dr. Kenneth Baca
Contact Person:	Bob Anderson, Director of Plant Operations
Contact Phone Number:	480-345-3727
Contact E-Mail:	banderson@tuhsd.k12.az.us

Description Of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

We have experienced at Desert Vista High School a high failure rate of fan coil units in the HVAC system. Through investigation, we have discovered that the closed loop system was contaminated with fine particles during the leak in 2009. These sediments are very fine and were not caught by the strainers in the system. It was determined that these particles were like sandpaper against the tubes in the coils causing the walls to become extremely thin and ultimately fail. There is a total of 248 fan coil units at the site. In the past year, we have replaced 30 units and have spent over a hundred thousand dollars. None of these units would be considered off the shelf. There are unique characteristics to these units, such as coil size capacity, left or right hand ports and 277 V three-phase motors. These units range from \$5,300 to \$8,500 depending on the size and configuration. The proposed bid includes a filter system that would eliminate the remaining fine particles within the closed loop. The District is requesting the School Facilities Board provide matching funds for this project. We are going out for a formal bid to replace the remainder of the units. There are currently four units that are down. Our goal is to have a contractor on board on later than the beginning of August which would allow the down units to be replaced at the beginning of the school year. The remainder of the work would be done throughout the school year and the following summer. The approximate total cost for the units and filter system is \$1,700,000.

Available Funding


Please provide the following:

Current building renewal fund balance (Fund 690):	\$0.00
Planned building renewal expenditures for the balance of the fiscal year:	\$0.00

As a separate attachment, please provide a list of current fiscal year building renewal expenditures.

Please outline any associated insurance coverage and why this issue is not covered by insurance.

There is no insurance coverage for these items.


Signature

SCHOOL FACILITIES BOARD
SFB EP 110-08

EMERGENCY DEFICIENCY CORRECTION
PROJECT APPLICATION FORM

Emergency Funding Application

Application Date: 6/28/2012

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Tempe Union High School District
Superintendent: Dr. Kenneth Baca
Contact Person: Bob Anderson Director of Plant Operations
Contact Phone Number: 480-345-3727
Contact E-Mail: banderson@tuhsd.k12.az.us

Description Of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

We have experienced at Desert Vista high school a high failure rate of fan coil units in the HVAC system. Through investigation we have discovered that the closed loop system was contaminated with fine particles during the leak in 2009. These sediments are very fine and were not caught by the strainers in the system. It was determined that these particles were like sandpaper against the tubes in the coils causing the walls to become extremely thin and ultimately fail. There is a total of 248 fan coil units at the site. In the past year we have replaced 30 units and have spent over hundred thousand dollars. None of these units would be considered off the shelf. There are unique characteristics to these unit, such as coil size capacity, left or right hand ports and 277 V three-phase motors. Depending on the size and configuration these units range from \$5,300-\$8,500. The proposed bid includes a filter system that would eliminate the remaining fine particles within the closed loop. The district is requesting that the school facilities board consider to provide matching funds for this project. We are going out for a formal bid to replace the remainder of the units. There are currently four units that are down. Our goal is to have a contractor on board no later than the beginning of August which would allow the down units to be replaced at the beginning of the school year. The remainder of the work would be done throughout the school year and the following summer. The approximate total cost for the units and filter system is \$1,700,000.

Available Funding

Please provide the following:

Current building renewal fund balance (Fund 690):	\$0
Current fiscal year building renewal expenditures:	\$0
Planned building renewal expenditures for the balance of the fiscal year:	\$0
Current balance of unrestricted capital:	\$12,000,000

Please outline any associated insurance coverage and why this issue is not covered by insurance.

There is no insurance coverage for these items.

Ken M R Boan
Signature

Pat Cruse

From: DIANE MEULEMANS [dmeulemans@tuhsd.k12.az.us]
Sent: Thursday, July 05, 2012 10:14 AM
To: Pat Cruse
Subject: Re: Tempe Union SFB Grant Request

Pat,

I am out of the office until the 9th but will resubmit the grant on the proper paperwork. When is the next SFB meeting? Bob will be back on the 10th and we will set up the site review.

Sorry about the confusion.

Diane

On Tue, Jul 3, 2012 at 4:30 PM, Pat Cruse <pcruse@azsfb.gov> wrote:

Hello Diane, I have reviewed your request, however I thought we talked about potential funding for this project would come from the Building Renewal Grant funds. If that is what you were requesting please use the form below (Building Renewal Grant Request) if not please advise.

<http://www.azsfb.gov/sfb/agency/pages/formDoc.asp?theType=0§ion=6&Go=Go>

Whatever you do, please do not award your bid until the Grant Request has been approved by our Board. My last day for submitting requests was yesterday and I left at 2 on Friday, therefore the Board Packet has already been drafted. Sorry, I know this project was important to you guys but there is nothing I can do at this time. I requested a site visit 6/7 and have not heard from Bob. I would like to see the units personally so that I can provide better justification in the board packet once I got your request. I would at a min. like to have had the opportunity to conduct a site review on one of the fan coil units prior to recommending your project to our Board.

Please let me know what direction you wish to take. Have a Happy 4th of July.

Pat Cruse

School Liaison

Arizona Schools Facilities Board

1700 W. Washington Suite 230

Phoenix, Arizona 85007

Diane M. Meulemans
Chief Financial Officer
Tempe Union High School District
500 W. Guadalupe Road
Tempe, Arizona 85283

Pat Cruse

To: DIANE MEULEMANS
Cc: Bob Anderson
Subject: RE: Tempe Union SFB Grant Request

Hello Diane, I have reviewed your request, however I thought we talked about potential funding for this project would come from the Building Renewal Grant funds. If that is what you were requesting please use the form below (Building Renewal Grant Request) if not please advise.

<http://www.azsfb.gov/sfb/agency/pages/formDoc.asp?theType=0§ion=6&Go=Go>

Whatever you do, please do not award your bid until the Grant Request has been approved by our Board. My last day for submitting requests was yesterday and I left at 2 on Friday, therefore the Board Packet has already been drafted. Sorry, I know this project was important to you guys. I have been requesting a site visit since 6/7 and have not heard from Bob. I would like to see the units personally so that I can provide better justification in the board packet.

Pat Cruse

School Liasion
Arizona Schools Facilities Board
1700 W. Washington Suite 230
Phoenix, Arizona 85007
Office: (602) 364-1193
FAX: (602) 542-6529

From: DIANE MEULEMANS [mailto:dmeulemans@tuhisd.k12.az.us]
Sent: Friday, June 29, 2012 2:35 PM
To: Pat Cruse
Cc: Kenneth Baca; Greg Wyman; Bob Anderson; Roland Carranza; David Barnby
Subject: Tempe Union SFB Grant Request

Pat,

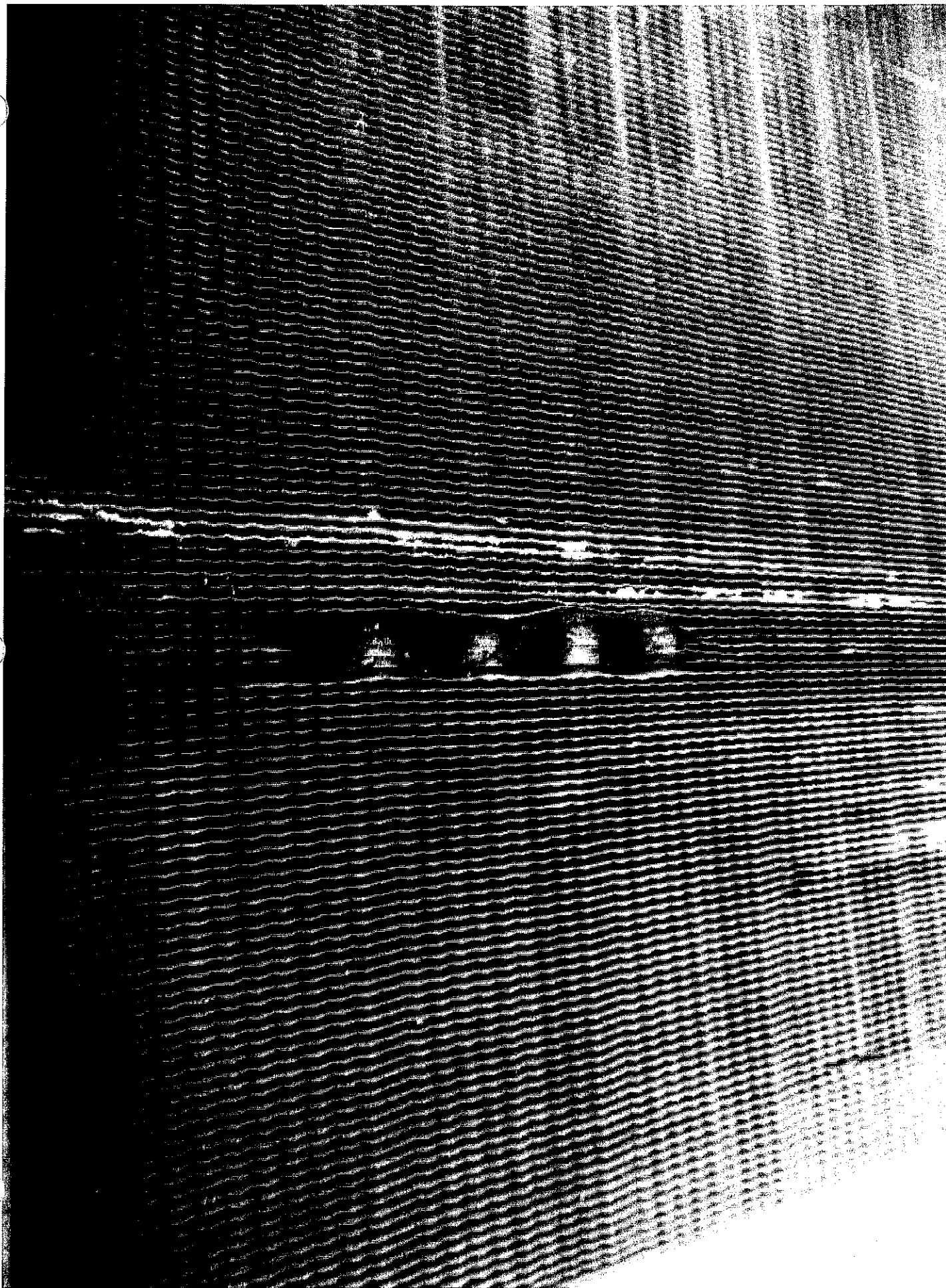
Attached is Tempe Union High School District's grant request for the replacement of the HVAC system fan coil units at Desert Vista High School. As discussed at our May 30th meeting, we have experience a high failure rate with these units and have already replaced 30 of them and currently have 4 that need to be replaced. The Call for Bid for the replacement units has been issued and is scheduled to be opened on July 19th.

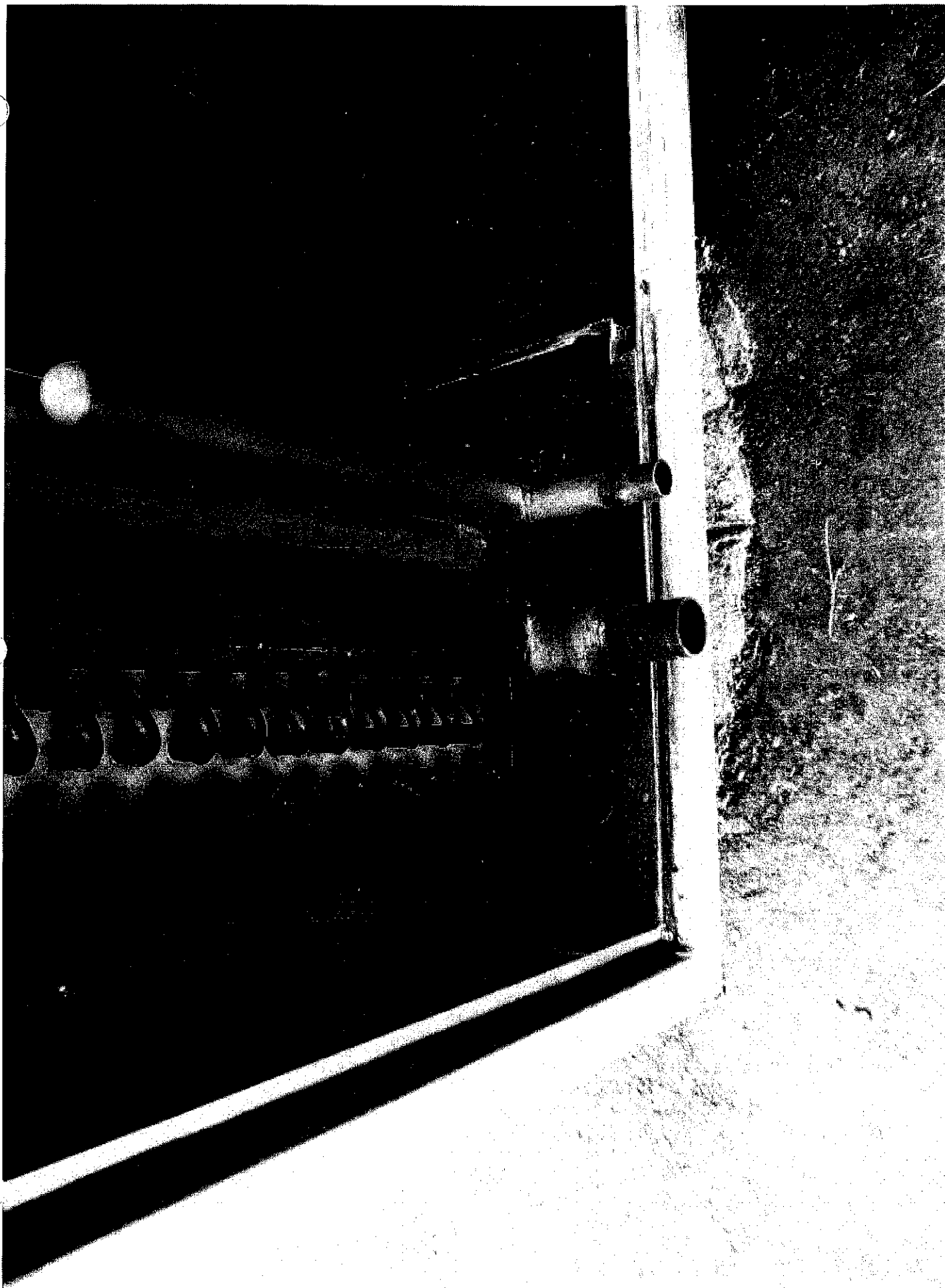
Please let me know if you have any questions.

Diane

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Diane M. Meulemans
Chief Financial Officer
Tempe Union High School District
500 W. Guadalupe Road
Tempe, Arizona 85283











These particles were caught by the strainers in the system. The smaller particles are like sandpaper against the tubes in the coils causing the walls to become extremely thin and ultimately fail.



These are the fins of a damaged fan coil



